

CLAIMS

1. Bicycle lock for blocking a rotation of the crankshaft of a bicycle, the bicycle lock being provided at the bottom in a saddle tube of the bicycle close to the crankshaft, the bicycle lock comprising a lock housing accommodating a locking pin and a locking mechanism, the locking mechanism being adapted to be operated by a key to be inserted through a hole in the saddle tube, the locking mechanism being adapted to fix the locking pin in two positions, wherein the locking pin in an upper position thereof releases the crankshaft and in a lower position thereof blocks the crankshaft, an end of the locking pin in the lower position thereof engaging a matching notch in the crankshaft, the bicycle lock being provided with coupling means which are adapted to interact with counter-coupling means being part of the saddle tube in order to have a detachable coupling between the lock housing and the saddle tube, the lock housing being coupled to the saddle tube by a rotating coupling, the locking pin in the lower position thereof blocking the rotation of the coupling between the lock housing and the saddle tube.
2. Bicycle lock according to claim 1, wherein the lock housing is fitted in the saddle tube by means of a threaded connection.
3. Bicycle lock according to claim 1, wherein the lock housing is fitted in the saddle tube by means of a bayonet connection.
4. Bicycle lock according to claim 1, wherein the lock housing is fitted in the saddle tube by means of a V-groove connection.
5. Bicycle lock according to any of the preceding claims, wherein the locking pin has an eccentric position in the lock housing.
- 35 6. Bicycle lock according to claim 5, wherein the lower end

of the locking pin is cylinder-shaped and catches in a cylinder-shaped notch in the crankshaft.

7. Bicycle lock according to any of the preceding claims, wherein the lower end of the locking pin is unrotatably

5 catchable in a milled tangentially matching notch of the crankshaft.

8. Bicycle lock according to claim 7, wherein the section of the lower end of the locking pin is trapezium-shaped.

9. Bicycle lock according to claim 7, wherein the section of 10 the lower end of the locking pin is rectangular.

10. Bicycle lock according to claim 9, wherein the section of the lower end of the locking pin is square.

11. Bicycle lock according to claim 7, wherein the section of the lower end of the locking pin is hexagonal.

15 12. Bicycle lock according to any of the preceding claims, wherein the locking pin consists of two parts which are coupled to each other through a spring element.

13. Bicycle lock according to any of claims 1-12, wherein the lock mechanism is a cross lock.

20 14. Bicycle lock according to any of claims 1-12, wherein the lock mechanism is a cylinder lock.

15. Bicycle lock according to any of the preceding claims, wherein the bicycle lock also includes a catch system for fitting a cable bicycle lock.